

# ViewSonic®

## VP230mb



**Full 23.1" Diagonal Viewable Screen**

## ViewPanel®

**User Guide**

**Guide de l'utilisateur**

**Bedienungsanleitung**

**Guía del usuario**

**Guida dell'utente**

**Guia do usuário**

**Användarhandbok**

**Käyttöopas**

**Руководство пользователя**

**Instrukcja obsługi**

**ユーザーズ ガイド**

**使用手冊**

**使用手冊**

**사용자 안내서**

**دليل المستخدم**

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## Product Registration

To meet your future needs, and to receive any additional product information as it becomes available, please register your product on the Internet at: [www.viewsonic.com](http://www.viewsonic.com). The ViewSonic Wizard CD-ROM also provides an opportunity for you to print the registration form which you may mail or fax to ViewSonic.

### For Your Records

<b>Product Name:</b>	<b>ViewSonic VP230mb</b>
<b>Model Number:</b>	<b>VLCDS22494-1b</b>
<b>Document Number:</b>	<b>A-CD-VP230mb-1</b>
<b>Serial Number:</b>	_____
<b>Purchase Date:</b>	_____

### Product disposal at end of product life

ViewSonic is concerned about the preservation of our environment. Please dispose of this product properly at the end of its useful life. Your local waste disposal company may provide information about proper disposal.

# Getting Started

Congratulations on your purchase of a *VP230mb* color ViewPanel®. **Important!** *Save the original box and all packing material for future shipping needs.*

**NOTE:** The word “Windows” in this user guide refers to the following Microsoft operating systems: Windows ‘95, Windows NT, Windows ‘98, Windows 2000 and Windows Me (Millennium).

## Package Contents

Your *VP230mb* package includes:

- *VP230mb* ViewPanel
- Standard analog VGA video cable
- DVI video cable (DVI requires a DVI video card in your computer)
- Audio cable
- U.S. Power cord
- Schuko power cord
- Quick Start Guide
- ViewSonic Wizard CD-ROM (including user guide PDF file and INF/ICM display optimization files)

**IMPORTANT:** The supplied INF file assures compatibility with Windows operating systems, and the ICM file (Integrated Color Management) assures accurate on-screen colors.

## Precautions

- 
- For best viewing conditions sit at least 18" from the ViewPanel.
  - **AVOID TOUCHING THE SCREEN WITH YOUR FINGERS.** Oils from the skin are difficult to remove.
  - **NEVER REMOVE THE REAR COVER.** The ViewPanel contains high-voltage parts. You may suffer serious injury if you touch these parts.
  - Avoid exposing the ViewPanel to direct sunlight or another heat source including an open flame. The ViewPanel should be facing away from direct sunlight to reduce glare.
  - Always handle your ViewPanel with care when moving it.
  - Place your ViewPanel in a well ventilated area. Do not place anything on the ViewPanel that prevents adequate dissipation of heat.
  - Ensure the area around the ViewPanel is clean and free of moisture.
  - Do not place heavy objects on the ViewPanel, video cable, or power cord.
  - If smoke, abnormal noise, or strange odor is present, immediately switch the ViewPanel off and call your dealer or ViewSonic. It is dangerous to continue using the ViewPanel.
-

## Quick Installation

### 1 Connect video cable

Make sure both the ViewPanel® and computer are powered OFF.

Connect the VGA analog video cable to the computer then to the ViewPanel. Both analog and digital (DVI) ports are available on the back of the ViewPanel for your convenience. The DVI cable requires a DVI video card in your computer.

*Macintosh users:* Models older than G3 require a Macintosh adapter. Attach the adapter to the computer and plug the video cable into the adapter.

To order a ViewSonic® Macintosh adapter, contact ViewSonic Customer Support.

### 2 Connect power cord

Connect the power cord from the ViewPanel to a properly grounded AC outlet.

### 3 Power-ON ViewPanel and computer

Power-ON the ViewPanel, then power-ON the computer. This sequence (ViewPanel before computer) is very important.

**NOTE:** Windows 95, 98 or 2000 users may receive a message asking them to install the VP230mb INF file.

### 4 Install display optimization files (INF and ICM files)

(1) Insert the ViewSonic Wizard CD-ROM into your computer's CD-ROM drive.

**NOTE:** If your computer does not have a CD-ROM drive, see Customer Support in this user guide.

(2) Wait for the CD-ROM to auto-start.

**NOTE:** If the CD-ROM does not auto-start: double-click on the CD-ROM icon in the Windows Explorer, then double-click on **install.exe**.

(3) Follow the on-screen instructions.

### 5 Windows users: Set the timing mode (resolution and refresh rate)

*Example:* 1600 X 1200 @ 60 Hz.

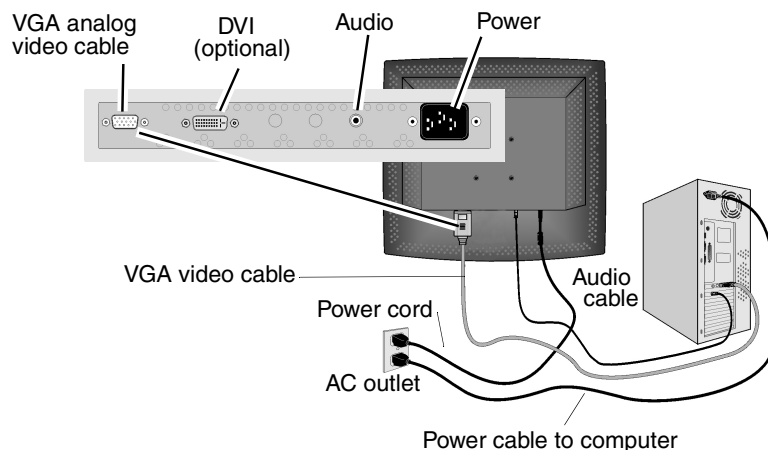
For instructions on changing the resolution and refresh rate, see the user guide for your computer's graphics card.

**Installation is complete. Enjoy your new VP230mb ViewPanel.**

To be best prepared for any future customer service needs: print this user guide and write the serial number in "For Your Records" on page 2. (See back of ViewPanel.)

To register your product go online to [www.viewsonic.com](http://www.viewsonic.com).

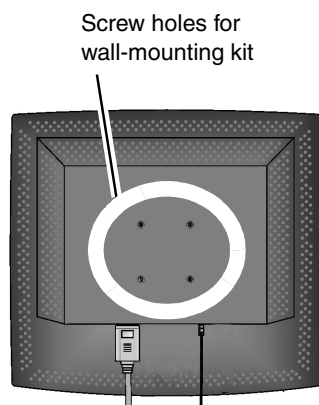
The ViewSonic Wizard CD-ROM also provides an opportunity for you to print the registration form which you may mail or fax to ViewSonic.



## Mounting Options

### Installation of Wall Mount (Optional)

To obtain a wall-mounting kit, contact ViewSonic or your local dealer. Refer to the instructions that come with the wall mounting kit. To convert your ViewPanel from a desk-mounted to a wall-mounted display, do the following:



- 1** Disconnect Power cables.
- 2** Lay the ViewPanel face down on a towel or blanket.
- 3** Attach the mounting bracket from the wall-mounting kit.
- 4** Attach the ViewPanel to the wall, following the instructions in the wall-mounting kit.

### Installation of Base (Optional)

To obtain a base installation kit, contact ViewSonic or your local dealer. Refer to the instructions that come with the base mounting kit. ViewSonic complies with VESA (Video Electronics Standards Association) 100 mm mounting standards. There are many options available from ViewSonic and other suppliers.

# Using the ViewPanel

## Setting the Timing Mode

Setting the timing mode is important for maximizing the quality of the screen image and minimizing eye strain. The **timing mode** consists of the **resolution** (example 1600 x 1200) and **refresh rate** (or vertical frequency--example 60 Hz). After setting the timing mode, use the OnView® controls (pages 8 - 10) to adjust the screen image.

The recommended timing mode for this ViewPanel is: **VESA® 1600 x 1200 @ 60 Hz**

To set the Timing Mode:

- 1 **Set the resolution:** Right-click on the Windows® desktop > **Properties** > **Settings** > Desktop Area or Screen Area for Windows 98 and newer > set the resolution.
- 2 **Set the refresh rate:** See your graphic card's user guide for instructions.

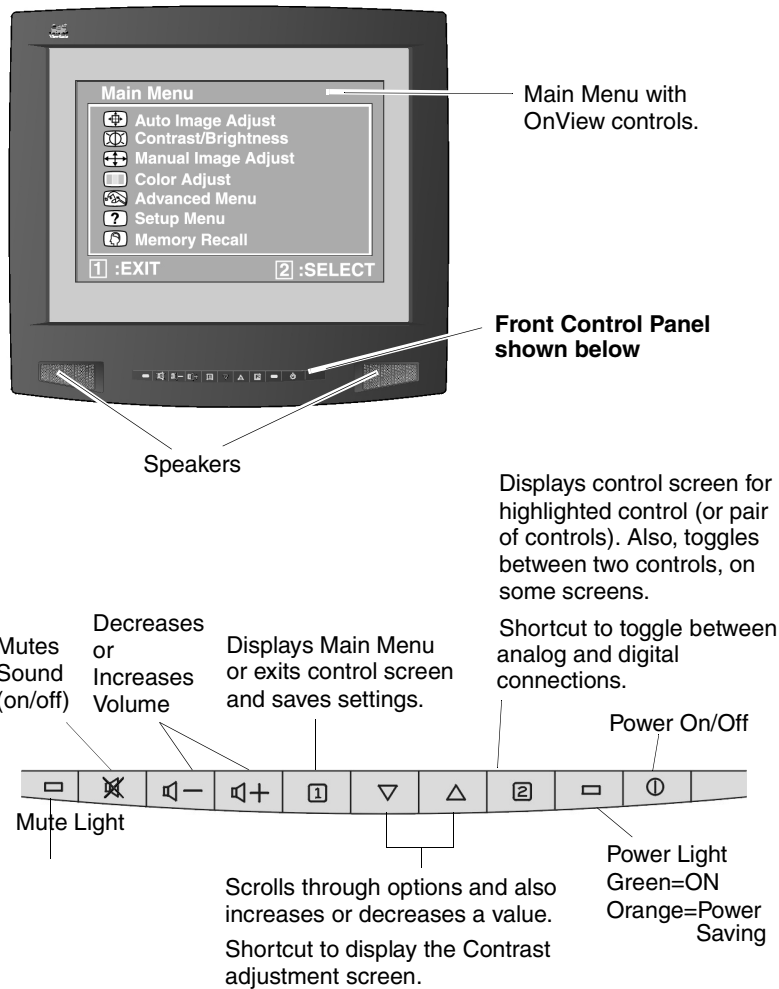
**WARNING:** Do not set the graphics card in your computer to exceed the maximum refresh rate of 75Hz; doing so may result in permanent damage to your ViewPanel.

## OSD Lock Settings

- **OSD Lock:** Press and hold [1] and the up arrow ▲ for 10 seconds. A message appears onscreen saying that the OSD is locked. If any buttons are pressed the message *OSD Locked* displays for a few seconds.
- **OSD Unlock:** Press and hold [1] and the up arrow ▲ again for 10 seconds. A message appears onscreen saying that the OSD is locked.

## Adjusting the Screen Image

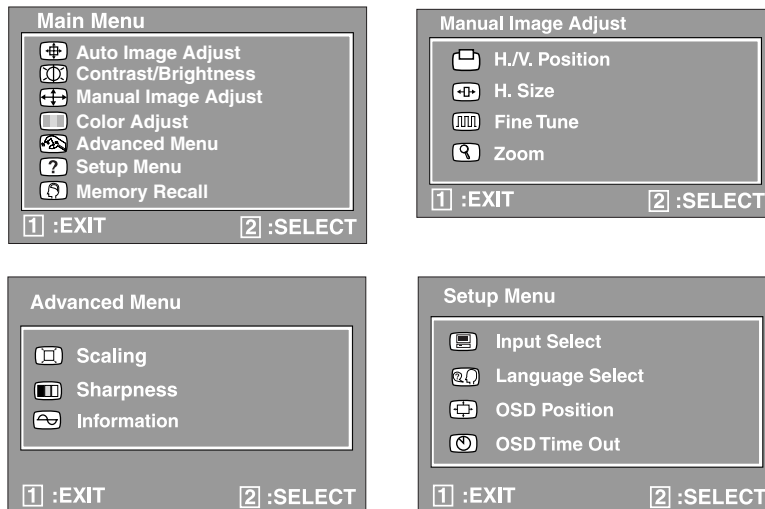
Use the buttons on the front control panel to display and adjust the OnView® controls from ViewSonic®. The controls are explained in the steps at the top of the next page and are further explained in the menu controls, pages 8 - 11.





**Do the following to adjust the screen image:**

- 1 To display the Main Menu, press button [1]. From the Main Menu you can also navigate to the other menus shown below:



**NOTE:** All OnView menus and adjustment screens disappear automatically after about 10 seconds (default). This time can be changed on the OSD Time Out menu.

- 2 To highlight a control you want to adjust, press ▲ or ▼ to scroll up or down the Main Menu.
- 3 To select the highlighted control, press button [2].
- 4 To adjust the selected control, press the up ▲ or down ▼ buttons.
- 5 To save the adjustments and exit the menu, press button [1] *twice*.

**The following tips may help you optimize your display:**

- Adjust your computer's graphic card so that it outputs a video signal 1600 x 1200 @ 60Hz to the VP230mb. (Look for instructions on "changing the refresh rate" in your graphic card's user guide.)
- If necessary, make small adjustments using H POSITION and V POSITION until the screen image is completely visible. (The black border around the edge of the screen should barely touch the illuminated "active area" of the ViewPanel®.)
- Adjust Fine Tune so that the screen image looks focused, crisp, and sharp.

## Main Menu Controls

The menu items shown below can be adjusted by using the up ▲ and down ▼ buttons.

Control	Explanation
---------	-------------



**Auto Image Adjust** automatically sizes, centers, and fine tunes the video signal to eliminate waviness and distortion. Press the [2] button to obtain a sharper image.  
**NOTE:** Auto Image Adjust works with most common video cards. If this function does not work on your ViewPanel®, then lower the video refresh rate to 60 Hz and set the resolution to its pre-set value.  
**NOTE:** Not available for digital mode.



**Contrast/Brightness** Contrast adjusts the difference between the image background (black level) and the foreground (white level). Brightness adjusts background black level of the screen image. Press button [2] to toggle between Contrast and Brightness.



**Manual Image Adjust** brings up the Image Adjust controls explained below.



**H./V. Position** adjusts horizontal and vertical position of the screen image. You can toggle between Horizontal and Vertical by pressing button [2]. **Horizontal** moves the screen image to the left or to the right. **Vertical** moves the screen image up and down.  
**NOTE:** Not available for digital mode.



**H. Size** adjusts the width of the screen image.  
**NOTE:** Not available for digital mode.



**Fine Tune** Eliminates any remaining video artifacts (noise, banding, out-of-phase, etc.)  
**NOTE:** Try Auto Image Adjust first.  
**NOTE:** Not available for digital mode.



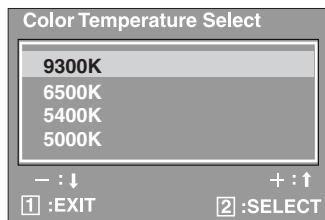
**Zoom** expands and contracts the entire screen image.

**Control Explanation**

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**Color Adjust** provides two color adjustment modes: Color Temperature Select as shown below and User Color. Color Temperature Select allows you to choose a preset color temperature. User Color allows you to make individual adjustments for red, green, and blue (RGB).



**9300K** — Adds blue to the screen image for cooler white (used in most office settings with fluorescent lighting).

**6500K** — Adds red to the screen image for warmer white and richer red.

**5400K** — Adds green to the screen image for a darker color.

**5000K** — Adds blue and green to the screen image for a darker color.

**RGB** — Individual adjustments for red, green, and blue.

**1** To select color (R, G or B) press button [2].

**2** To adjust selected color, press ▲ or ▼.

When you are finished making all color adjustments, press button [1] *twice*.



**Advanced Menu** brings up the Advanced Menu controls explained below.



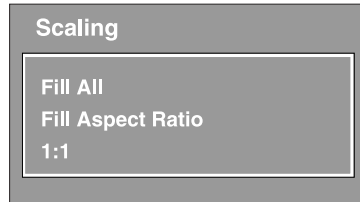
**Memory Recall** returns adjustments to the original factory settings if the display is operating in a factory Preset Timing Mode listed in this user guide.

Exception: This control does not affect changes made with the User Color control.

Control	Explanation
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**Scaling** adjusts the video input signal to the screen size using the listed options.



**Fill All** will stretch the image to fill the full screen.

**Fill Aspect Ratio** will stretch the image to fill one direction, while maintaining the aspect ratio.

**1:1** will show the exact resolution of your video card setting, centered on your screen.



**Sharpness** adjusts the clarity and focus of the screen image.



**Information** option displays the timing mode (video signal input) coming from the graphics card in your computer. See your graphic card's user guide for instructions on changing the resolution and refresh rate (vertical frequency).

**NOTE:** VESA 1600 x 1200 @ 60Hz (recommended) means that the resolution is 1600 x 1200 and the refresh rate is 60 Hertz.



**Setup Menu** brings up the Setup Menu controls explained below.



**Input Select** allows you to toggle between two input signals: analog and digital.



**Language Select** allows you to choose the language used in the menus and control screens.



**OSD Position** allows you to move the on-screen display menus and control screens.



**OSD Time Out** sets the length of time the on-screen display screen is displayed. For example, with a "15 second" setting, if a control is not pushed within 15 seconds, the display screen disappears.

# Other Information

## Specifications

<b>LCD</b>	Type	23.1" full viewable diagonal area, TFT (Thin Film Transistor), Active Matrix XGA LCD,	
	Color Filter	RGB vertical stripe	
	Protective shield	Anti-Glare and Anti-Reflective	
<b>Input signal</b>	Video Sync	RGB analog (0.7/1.0 Vp-p, 75 ohms), digital DVI (TMDS, 100 Ohms) Composite Sync, Separate Sync, Sync on Green f <sub>h</sub> :30-82 kHz, f <sub>v</sub> :50-75 Hz	
<b>Compatibility</b>	PC	Up to 1600 x 1200 Non-interlaced	
	Macintosh <sup>1</sup>	Power Macintosh up to 1600 x 1200	
<b>Resolutions</b> (Recommended and Supported)	1600 x 1200 @ 60 Hz	720 x 400 @ 70 Hz	
	1280 x 1024 @ 60, 75 Hz	640 x 350 @ 70 Hz	
	1024 x 768 @ 60, 70, 72, 75Hz	640 x 480 @ 60, 66, 72, 75 Hz	
	832 x 624 @ 75 Hz	640 x 400 @ 70 Hz	
	800 x 600 @ 56, 60, 72, 75, Hz		
<b>Power</b>	Voltage	100-240 VAC, 50/60 Hz (auto switch)	
	Power Consumption	100W typical @ PF > 0.95	
<b>Display area</b>	Full Scan	470.4 mm (H) x 352.8 mm (V) 18.5" (H) x 13.9" (V)	
<b>Operating conditions</b>	Temperature	32° F to + 104° F (0° C to + 40° C)	
	Humidity	10% to 90% (no condensation)	
	Altitude	To 10,000 feet	
<b>Storage conditions</b>	Temperature	-4° F to + 140° F (-20° C to + 60° C)	
	Humidity	10% to 90% (no condensation)	
	Altitude	To 40,000 feet	
<b>Dimensions</b>	Physical	516 mm (H) x 574 mm (W) x 85 mm (D)	
	(ViewPanel <sup>®</sup> only)	20.3" (H) x 22.6" (W) x 3.3" (D)	
<b>Weight</b>	Net (ViewPanel only)	14.5 kg (31.9 lb)	
<b>Regulations</b>	UL, FCC-B, ENERGY STAR <sup>®</sup> , CSA, DOC-B, CE, MPRII, TUV/ERGO, TUV/GS, TCO95, NEMKO, SEMKO, DEMKO, FIMKO, BSMI, PSB, C-TICK, VCCI		
<b>Power saving modes</b>	On	Normal	(green LED)
	Active Off	<3W	(orange LED)

**Preset Timing Mode** (pre-adjusted to VESA<sup>®</sup> 1600 x 1200 @ 60 Hz)

**Warning:** Do not set the graphics card in your computer to exceed these refresh rates; doing so may result in permanent damage to the ViewPanel.

<sup>1</sup> Macintosh computers older than G3 require a ViewSonic<sup>®</sup>, Macintosh adapter. To order an adapter, contact ViewSonic.

## Troubleshooting

### No power

- Make sure power button (or switch) is ON.
- Make sure A/C power cord is securely connected to the DC power supply and the power supply is firmly connected to the ViewPanel®.
- Plug another electrical device (like a radio) into the power outlet to verify that the outlet is supplying proper voltage.

### Power on but no screen image

- Make sure the video cable supplied with the ViewPanel is tightly secured to the video output port on the back of the computer. If the other end of the video cable is not attached permanently to the ViewPanel, tightly secure it to the ViewPanel.
- Adjust brightness and contrast.
- If you are using an Macintosh older than G3, you need a Macintosh adapter.

### Wrong or abnormal colors

- If any colors (red, green, or blue) are missing, check the video cable to make sure it is securely connected. Loose or broken pins in the cable connector could cause an improper connection.
- Connect the ViewPanel to another computer.
- If you have an older graphics card, contact ViewSonic® for a non-DDC adapter.

### Control buttons do not work

- Press only one button at a time.

## Customer Support

For the most expedient answer to your question, do the following:

1. Check **Troubleshooting** (on the previous page).
2. For assistance contact your reseller.
3. For further assistance see the contact information listed below.

If contact information for your country or region is not listed below, ask your reseller to refer you to a service center.

**NOTE:** You will need to provide the serial number (on the back of the product).

Country/ Region	Web site	T = Telephone F = FAX	Email
United States	viewsonic.com/ support	T: (800) 688-6688 F: (909) 468-1202	service.us@ viewsonic.com
Canada	viewsonic.com/ support	T: (800) 688-6688 F: (909) 468-1202	service.ca@ viewsonic.com
United Kingdom	viewsoniceurope.com	T: 0800 833 648 F: (01293) 643910	service.eu@ viewsoniceurope.com
Europe, Middle East, Baltic countries, and North Africa	viewsoniceurope.com	Contact your reseller	service.eu@ viewsoniceurope.com
Australia and New Zealand	viewsonic.com.au	T: +61 2 9929 3955 F: +61 2 9929 8393	service.au@ viewsonic.com
Singapore/India and Southeast Asia	viewsonic.com.sg	T: 65 273 4018 F: 65 273 1566	service.sg@ viewsonic.com
Other Asia/Pacific countries	viewsonic.com.tw	T: 886 2 2246 3456 F: 886 2 8242 3668	service.ap@ viewsonic.com
South Africa	viewsonic.com/asia	T: 886 2 2246 3456 F: 886 2 8242 3668	service.ap@ viewsonic.com

## Cleaning the ViewPanel

- MAKE SURE THE VIEWPANEL® IS TURNED OFF.
- NEVER SPRAY OR POUR ANY LIQUID DIRECTLY ONTO THE SCREEN OR CASE.

### To clean the screen:

- 1 Wipe the screen with a clean, soft, lint-free cloth. This removes dust and other particles.
- 2 If still not clean, apply a small amount of non-ammonia, non-alcohol based glass cleaner onto a clean, soft, lint-free cloth, and wipe the screen.

### To clean the case:

- 1 Use a soft, dry cloth.
- 2 If still not clean, apply a small amount of a non-ammonia, non-alcohol based, mild non-abrasive detergent onto a clean, soft, lint-free cloth, then wipe the surface.

### Disclaimer

ViewSonic® does not recommend the use of any ammonia or alcohol-based cleaners on the ViewPanel screen or case. Some chemical cleaners have been reported to damage the screen and/or case of the ViewPanel. ViewSonic will not be liable for damage resulting from use of any ammonia or alcohol-based cleaners.



# Limited Warranty

## VIEWSONIC LCD VIEWPANEL®

### What the warranty covers:

**ViewSonic®** warrants its products to be free from defects in material and workmanship during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, **ViewSonic** will, at its sole option, repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components.

### How long the warranty is effective:

**ViewSonic** LCD ViewPanels are warranted for three (3) years for all parts including the light source and three (3) years for all labor from the date of the first consumer purchase.

### Who the warranty protects:

This warranty is valid only for the first consumer purchaser.

### What the warranty does not cover:

1. Any product on which the serial number has been defaced, modified or removed.
2. Damage, deterioration or malfunction resulting from:
  - a. Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  - b. Repair or attempted repair by anyone not authorized by **ViewSonic**.
  - c. Any damage of the product due to shipment.
  - d. Removal or installation of the product.
  - e. Causes external to the product, such as electrical power fluctuations or failure.
  - f. Use of supplies or parts not meeting **ViewSonic's** specifications.
  - g. Normal wear and tear.
  - h. Any other cause which does not relate to a product defect.
3. Removal, installation, and set-up service charges.

### How to get service:

1. For information about receiving service under warranty, contact **ViewSonic Customer Support**. You will need to provide your product's serial number.
2. To obtain service under warranty, you will be required to provide (a) the original dated sales slip, (b) your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.
3. Take or ship the product freight prepaid in the original container to an authorized **ViewSonic** service center or **ViewSonic**.
4. For additional information or the name of the nearest **ViewSonic** service center, contact **ViewSonic**.

### Limitation of implied warranties:

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION CONTAINED HEREIN INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

### Exclusion of damages:

VIEWSONIC'S LIABILITY IS LIMITED TO THE COST OF REPAIR OR REPLACEMENT OF THE PRODUCT. VIEWSONIC SHALL NOT BE LIABLE FOR:

1. DAMAGE TO OTHER PROPERTY CAUSED BY ANY DEFECTS IN THE PRODUCT, DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE OF THE PRODUCT, LOSS OF TIME, LOSS OF PROFITS, LOSS OF BUSINESS OPPORTUNITY, LOSS OF GOODWILL, INTERFERENCE WITH BUSINESS RELATIONSHIPS, OR OTHER COMMERCIAL LOSS, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
2. ANY OTHER DAMAGES, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE.
3. ANY CLAIM AGAINST THE CUSTOMER BY ANY OTHER PARTY.

### Effect of state law:

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on implied warranties and/or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

### Sales outside the U.S.A. and Canada:

For warranty information and service on **ViewSonic** products sold outside of the U.S.A. and Canada, contact **ViewSonic** or your local **ViewSonic** dealer.

ViewSonic LCD Warranty (V2.0)

Release Date: 10-15-1999

# Appendix

## Safety Guidelines

**CAUTION:** The socket-outlet shall be installed near the equipment and shall be easily accessible.

**CAUTION:** Use a power cable that is properly grounded. Always use the appropriate AC cord that is certified for the individual country. Some examples are listed below:

USA.....UL	Switzerland .....SEV
Canada.....CSA	Britain .....BASE/BS
Germany .....VDE	Japan .....Electric Appliance Control Act

### IMPORTANT NOTICE CONCERNING POWER CORD SELECTION

The power cord set for this unit has been enclosed and has been selected according to the country of destination and must be used to prevent electric shock. Use the following guidelines if it is necessary to replace the original cord set, or if the cord set is not enclosed.

The female receptacle of the cord set must meet IEC-60320 requirements and will look like (Figure A1 below):



### For the United States and Canada

In the United States and Canada the male plug is a NEMA5-15 style (Figure A2), UL Listed, and CSA Labeled. For units which are mounted on a desk or table, type SVT or SJT cord sets may be used. For units which sit on the floor, only SJT type cord sets may be used. The cord set must be selected according to the current rating for your unit. Please consult the table below for the selection criteria for power cords used in the United States and Canada.

Cord Type	Size of Conductors in Cord	Maximum Current Rating of Unit
SJT	18 AWG	10 Amps
	16 AWG	12 Amps
	14 AWG	12 Amps
SVT	18 AWG	10 Amps
	17 AWG	12 Amps

### For European Countries

In Europe you must use a cord set which is appropriate for the receptacles in your country. The cord set is HAR-Certified, and a special mark that will appear on the outer sheath, or on the insulation of one of the inner conductors.

### AC PLUG CORD PRECAUTIONS FOR THE UNITED KINGDOM

**FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY.**

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET THEN THE PLUG SHOULD BE CUT OFF AND DISPOSED OF SAFELY.

THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO AN APPROPRIATE SOCKET.

If a new plug is to be fitted, please observe the wiring code as shown below.

If in any doubt, please consult a qualified electrician.

**WARNING: THIS APPLIANCE MUST BE EARTHED.**

**IMPORTANT:** The wires in this mains lead are coloured in accordance with the following code:

Green-and-Yellow: Earth  
Blue: Neutral  
Brown: Live

If the coloured wires of the mains lead of this appliance do not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the Earth symbol or coloured GREEN or GREEN-AND-YELLOW.

The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

If you have any questions concerning which proper power cord to use, please consult with the dealer from whom you have purchased the product.

## Compliance Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### **FCC Warning**

To assure continued FCC compliance, the user must use grounded power supply cord and the provided shielded video interface cable with bonded ferrite cores. If a BNC cable is going to be used, use only a shielded BNC(5) cable. Also, any unauthorized changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

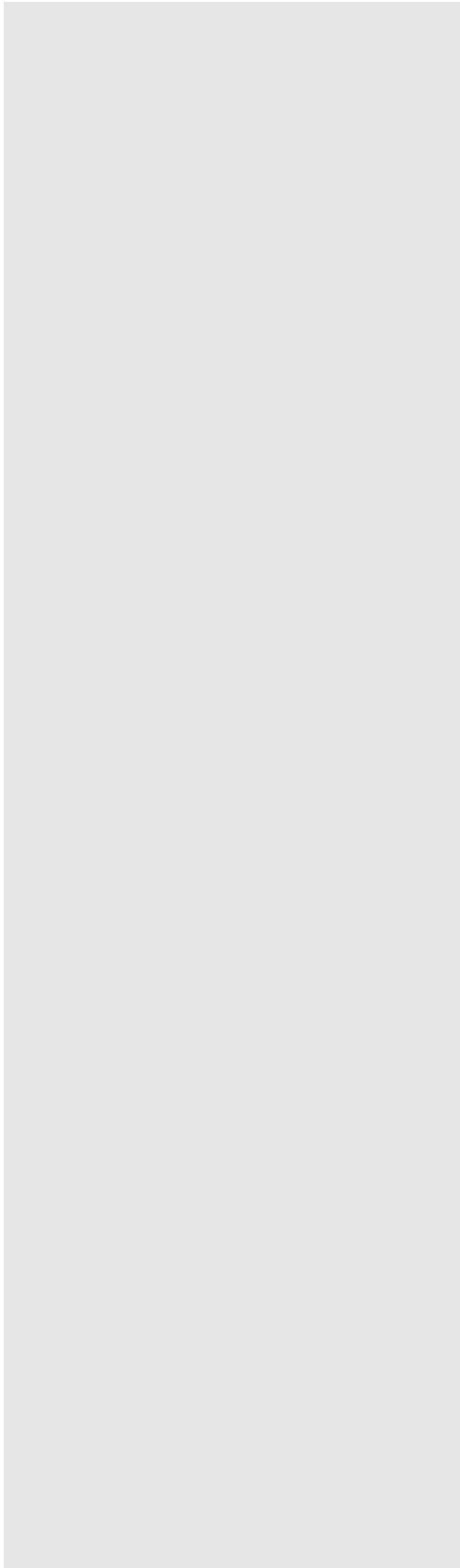
### **Notice for Japan**

This is a Class B product based on the standard of the Voluntary Control Council for Interference from Information Technology Equipment (VCCI). If this is used near a radio or television receiver in a domestic environment, it may cause radio interference. Install and use the equipment according to the instruction manual.

### **CE Conformity**



The device complies with the requirements of the EEC directive 89/336/EEC as amended by 92/31/EEC and 93/68/EEC Art.5 with regard to "Electromagnetic compatibility," and 73/23/EEC as amended by 93/68/EEC Art.13 with regard to "Safety."



**ViewSonic® Corporation**